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SINCE FILE

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FULL ESTIMATED COST

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FILE 'USPAT2' ENTERED AT 14:33:48 ON 20 JUN 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

= s Senzaki, Toshihide/in

'IN' IS NOT A VALID FIELD CODE

L1 6 SENZAKI, TOSHIHIDE/IN

= d 11 1-6

L1 ANSWER 1 OF 6 EUROPATFULL COPYRIGHT 2003 WILA

Full
Text

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1302490 EUROPATFULL ED 20030423 EW 200316 FS OS

TIEH HYDROGENATED AROMATIC OLIGOMERS AND PROCESS FOR THEIR PRODUCTION.

TIDE HYDRIERTE AROMATISCHE OLIGOMERE UND VERFAHREN ZU DEREN HERSTELLUNG.

TIFR OLIGOMERES AROMATIQUE HYDROGENES ET LEUR PROCEDE DE FABRICATION.

IN SENZAKI, Toshihide, Nippon Steel Chemical Co., Ltd, 46-80, Sakinohama, Oaza Nakabaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP;

IMAMURA, Takahiro, Nippon Steel Chemical Co., Ltd, 46-80, Sakinohama, Oaza Nakabaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP;
SHIMIZU, Takehiro, Nippon Steel Chemical Co., Ltd., 46-80, Sakinohama, Oaza Nakabaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP;
NAGAI, Munehito, Nippon Steel Chemical Co., Ltd., 46-80, Sakinohama, Oaza Nakabaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP

PA Nippon Steel Chemical Co., Ltd., 21-11, Nishi-gotanda 7-chome, Shinagawa-ku, Tokyo 141-0031, JP

SO Wila-EP2-2003-H16-T1a

DS R AT; P BE; P CH; P CY; P DE; P DK; R ES; P FI; R FR; R GB; R GR; R IE; R IT; R LI; P LU; P MC; P NL; P PT; R SE; P TR

PIT EPAL EUROPATISCHE PATENTANMELDUNG (Internationale Anmeldung)

PI EP 1302490 A1 20040416

OD 20030416

AI EP 2001-949942 20010711

PPAI JP 2000-2000212784 20000713

RLI WO 01-JP6017 010711 INTAK2

WO 02000385 020124 INTPNR

IC ICM C09G014-04

ICS C09L061-34

L1 ANSWER 2 OF 6 EUROPATFULL COPYRIGHT 2003 WILA

Full
Text

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1180507 EUROPEATFULL ED 20020304 EW 200208 FS OS
 TIEN PROCESS FOR THE PURIFICATION OF AROMATIC HYDROCARBONS AND PROCESS FOR
 THE PREPARATION OF HIGH-PURITY AROMATIC HYDROCARBONS.
 TIDE VERFAHREN ZUR REINIGUNG VON AROMATISCHEN KOHLENWASSERSTOFFEN UND
 VERFAHREN ZUR HERSTELLUNG VON HOCHREINEN AROMATISCHEN
 KOHLENWASSERSTOFFEN.
 TIFR PROCÉDE POUR PURIFIER DES HYDROCARBURES AROMATIQUES ET PROCÉDE POUR
 PRÉPARER DES HYDROCARBURES AROMATIQUES TRÈS PURS.
 IN SENZAKI, Toshihide Nippon Steel Chemical Co., Ltd., 46-80,
 Sakinchama Oaza Nakabaru Tobata-ku, Kitakyushu-shi Fukuoka-ken 804-8503,
 JP;
 IMAMURA, Takahiro Nippon Steel Chemical Co., Ltd., 46-80, Sakinchama
 Oaza Nakabaru Tobata-ku, Kitakyushu-shi Fukuoka-ken 804-8503, JP;
 TAKAYAMA, Takeshi Nippon Steel Chemical Co., Ltd., 46-80, Sakinchama
 Oaza Nakabaru Tobata-ku, Kitakyushu-shi Fukuoka-ken 804-8503, JP;
 NOGUCHI, Katsuhide Nippon Steel Chemical Co., Ltd., 46-80, Sakinchama
 Oaza Nakabaru Tobata-ku, Kitakyushu-shi Fukuoka-ken 804-8503, JP
 PA Nippon Steel Chemical Co., Ltd., 21-11, Nishi-gotanda 7-chome,
 Shinagawa-ku, Tokyo 141-0031, JP
 SO Wila-EFZ-2002-H06-T1A
 DS F AT; F BE; F CH; F CY; F DE; F DK; F ES; F FI; F FR; F GB; F GR; F IE;
 F IT; F LI; F LU; F MC; F NL; F PT; F SE
 PIT EPA1 EUPORAEISCHE PATENTANMELDUNG (Internationale Anmeldung)
 PI EP 1180507 A1 20020220
 OD 20020220
 AI EP 2000-921078 20000427
 PRAI JP 1999-122671 19990428
 JP 1999-168274 19990615
 RLI WO 00/27274 000427 INTAKZ
 WO 00/65521 001109 INTAKZ
 IC ICM C07C007-177
 ICS C07C015-24 C07C015-28 C07C015-04 C07C015-02
 C07C015-30
 ICI A01N027-00 C11B009-00

LI ANSWER 3 OF 5 PCTFULL COPYRIGHT 2003 Univentio

Full
Text

AN 2003014223 PCTFULL ED 20030303 EW 200308
 TIEN RESIN COMPOSITION
 TIFR COMPOSITION DE RESINE
 IN SENZAKI, Toshihide, c/o Research & Development Laboratories, Nippon
 Steel Chemical Co., Ltd., 46-80, Sakinchama, Oaza Nakabaru, Tobata-ku,
 Kitakyushu-shi, Fukuoka 804-8503, JP [JP, JP];
 IMAMURA, Takahiro, c/o Research & Development Laboratories, Nippon Steel
 Chemical Co., Ltd., 46-80, Sakinchama, Oaza Nakabaru, Tobata-ku,
 Kitakyushu-shi, Fukuoka 804-8503, JP [JP, JP]
 PA NIPPON STEEL CHEMICAL CO., LTD., 21-11, Nishi Gotanda 7-chome,
 Shinagawa-ku, Tokyo 141-0031, JP [JP, JP], for all designates States
 except US;
 SENZAKI, Toshihide, c/o Research & Development Laboratories, Nippon
 Steel Chemical Co., Ltd., 46-80, Sakinchama, Oaza Nakabaru, Tobata-ku,
 Kitakyushu-shi, Fukuoka 804-8503, JP [JP, JP], for US only;
 IMAMURA, Takahiro, c/o Research & Development Laboratories, Nippon Steel
 Chemical Co., Ltd., 46-80, Sakinchama, Oaza Nakabaru, Tobata-ku,
 Kitakyushu-shi, Fukuoka 804-8503, JP [JP, JP], for US only
 AG HARUSE, Katsuo, 5th Floor, Central Shintashi Bldg., 11-5,
 Nishi-shinkashi 2-chome, Minato-ku, Tokyo 105-0003, JP
 LAF Japanese

LA Japanese
DT Patent
PI WO 2003014223 AI 20030210
DS W: AE AG AL AM AT AU AC BA BB BG BR BY BZ CA CH CN CC CR CU CZ
DE DK EM DE EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE EG EP FR KZ LC LK LR LS LT LU LV MA MD MG MF MN MW MX ME
NO NC CM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TE
UA UG US UZ VN TU ZA ZM ZW
FW (AFIP): GH GM KE LS MW ME SD SL SZ TZ UG ZM ZW
PW (EAP): AM AC BY EG KZ MD RU TJ TM
FW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GE GR IE IT LU MC NL PT
SE SK TP
FW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2002-JP7865 A 20010801
PPAI JP 2001-2001-235168 20010802
ICM C08L061-18
ICS C08L061-34; C08K005-13; F16P015-02

L1 ANSWER 4 OF 6 PCTFULL COPYRIGHT 2003 Univentio

Full
Text

AN 2002006365 PCTFULL ED 20020814
TIEN HYDROGENATED AROMATIC OLIGOMERS AND PROCESS FOR THEIR PRODUCTION
TIEN OLIGOMERES AROMATIQUES HYDROGENES ET LEUR PROCEDE DE FABRICATION
IN SENZAKI, Toshihide;
IMAMURA, Takahiro;
SHIMIZU, Takehiro;
NAGAI, Munehito
PA NIPPON STEEL CHEMICAL CO., LTD.;
SENZAKI, Toshihide;
IMAMURA, Takahiro;
SHIMIZU, Takehiro;
NAGAI, Munehito
DT Patent
PI WO 2002006365 AI 20020124
DS W: CH JP KR US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
PT SE TP
AI WO 2001-JP6017 A 20010711
PPAI JP 2000-2000-212784 20000713
ICM C08G014-04
ICS C08L061-34

L1 ANSWER 5 OF 6 PCTFULL COPYRIGHT 2003 Univentio

Full
Text

AN 2001016199 PCTFULL ED 20000828
TIEN AROMATIC OLIGOMER AND USE THEREOF
TIEN OLIGOMERE AROMATIQUE ET SON UTILISATION
IN SENZAKI, Toshihide;;
IMAMURA, Takahiro;
PA NIPPON STEEL CHEMICAL CO., LTD.;
SENZAKI, Toshihide;;
IMAMURA, Takahiro;
DT Patent
PI WO 2001016199 AI 20010303
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE
DK DM DE EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN
YU ZA ZW GH GM KE LS MW MZ SD SL SZ TC UG ZW AM AZ BY KG KZ
MD RU TJ TM AT BE CH CY CZ DE DK ES FI FR GB GR IE IT LU MC NL
PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI WO 2000-JP5851 A 20000830
PPAI JP 1999-11/244422 19990831

JP 2000-2000/200630 20000703
 ICM 0080014-04
 ICS 0080061-34; 0090161-34; 0090161-34

L1 ANSWER 5 OF 6 PCTFULL COPYRIGHT 2003 Univentio

Full
Text

AI 2000066521 PCTFULL ED 20020515
 TIEN PROCESS FOR THE PURIFICATION OF AROMATIC HYDROCARBONS AND PROCESS FOR
 THE PREPARATION OF HIGH-PURITY AROMATIC HYDROCARBONS
 TIER PROCEDE POUR PURIFIER DES HYDROCARBURES AROMATIQUES ET PROCEDE POUR
 PREPARER LES HYDROCARBURES AROMATIQUES TRES PURES
 IN SENZAKI, Toshihide;;
 IMAMURA, Takahiro;;
 TAKAYAMA, Takeshi;;
 NOGUCHI, Katsuhide;
 PA NIPPON STEEL CHEMICAL CO., LTD.;
 SENZAKI, Toshihide;;
 IMAMURA, Takahiro;;
 TAKAYAMA, Takeshi;;
 NOGUCHI, Katsuhide;
 LA Japanese
 DT Patent
 PI WO 2000066521 A1 20001109
 DS W: CN KR US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
 SE
 AI WO 2000-012795 A 20000427
 PRAI JP 1999-11/102671 19990426
 JP 1999-11/168374 19990615
 ICM 0070007-177
 ICS 0070015-24; 0070015-28; 0070015-04; 0070015-02; 0070015-20;
 A010027-00; 0110009-00

=> s aromatic oligomer# and (naphthalene or acenaphthene or fluorene or anthracene or
 L2 27 AROMATIC OLIGOMER# AND (NAPHTHALENE OR ACENAPHTHENE OR FLUORENE
 OR ANTHRACENE OR PHENANTHRENE OR PYRENE OR BENZOTHIOPHENE OR
 FLUORANTHENE) AND (PHENOL# OR ALKYLPHENOL#) AND (FORMALIN OR
 FORMALDEHYDE)

=> s 12 and softening point#
 L3 6 L2 AND SOFTENING POINT#

=> d 13 1-6

L3 ANSWER 1 OF 6 EUROPATEFULL COPYRIGHT 2003 WILA

Full
Text

PATENT APPLICATION PATENTANMELDUNG - DEMANDE DE BREVET

AI 1302490 EUROPATEFULL EI 20030423 EW 200316 FS OS
 TIEN HYDROGENATED AROMATIC OLIGOMERS AND PROCESS FOR THEIR PRODUCTION.
 TIDE HYDRIERTE AROMATISCHE OLIGOMERE UND VERFAHREN ZU DEREN HERSTELLUNG.
 TIER OLIGOMERES AROMATIQUE HYDROGENES ET LEUR PROCEDE DE FABRICATION.
 IN SENZAKI, Toshihide, Nippon Steel Chemical Co., Ltd, 46-80, Sakinohama,
 Oaza Nakabaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP;
 IMAMURA, Takahiro, Nippon Steel Chemical Co., Ltd, 46-80, Sakinohama,
 Oaza Nakabaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP;
 SHIMIZU, Takehiro, Nippon Steel Chemical Co., Ltd., 46-80, Sakinohama,
 Oaza Nakabaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP;
 HAGAI, Munehito, Nippon Steel Chemical Co., Ltd., 46-80, Sakinohama,
 Oaza Nakabaru, Tobata-ku, Kitakyuahu-shi, Fukuoka 804-8503, JP
 PA Nippon Steel Chemical Co., Ltd., 21-11, Nishi-gotanda 7-chome,

Shinjawa-ku, Tokyo 141-0031, JP
 SO Wila-EP2-2003-H16-T1a
 DS R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE;
 R IT; R LI; R LU; R MC; R NL; R PT; R SE; R TR
 PIT EPA1 EUROPAEISCHE PATENTANMELDUNG (Internationale Anmeldung)
 EI EP 1302401 A1 20030416
 OD 20030416
 AI EP 2001-949942 20010711
 FRAI JP 2000-2000212784 20000713
 RLI WO 01-JP6017 010711 INTAKZ
 WO 0206365 020124 INTENR
 IC ICM C08G014-04
 ICS C08L061-34

L3 ANSWER 2 OF 6 USPATFULL

Full Text	References
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AI 2003:100346 USPATFULL
 TI **Aromatic oligomer**, phenolic resin composition containing the same, and epoxy resin composition and cured product obtained therefrom
 IN Kajii, Masashi, Fukuoka, JAPAN
 Yonekura, Kiyokazu, Fukuoka, JAPAN
 PI US 2003063357 A1 20030410
 AI US 2002-297083 A1 20021003 (10)
 WO 2001-JP3072 20010410
 DT Utility
 FS APPLICATION
 LN.CNT 634
 INCL INCLM: 525/107.000
 NCL INCLM: 525/107.000
 IC [7]
 ICM: C08F003-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 6 USPATFULL

Full Text	References
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AI 88:24476 USPATFULL
 TI **Aromatic oligomers and resins**
 IN Jones, Michael E. B., Chester, England
 PA Imperial Chemical Industries plc, United States (non-U.S. corporation)
 PI US 4739032 19880419
 AI US 1987-31797 19870330 (7)
 RLI Division of Ser. No. US 1986-863417, filed on 15 May 1986, now patented, Pat. No. US 4673725 which is a division of Ser. No. US 1985-725347, filed on 19 Apr 1985, now patented, Pat. No. US 4599373 which is a division of Ser. No. US 1983-558525, filed on 6 Dec 1983, now patented, Pat. No. US 4530992
 FRAI GB 1982-34715 19821206
 GB 1983-14707 19830527
 DT Utility
 FS Granted
 LN.CNT 1489
 INCL INCLM: 528/230.000
 INCLS: 528/232.000; 528/242.000; 528/247.000; 528/248.000; 528/249.000;
 528/250.000; 528/265.000; 528/269.000
 NCL INCLM: 528/230.000
 NCLS: 528/232.000; 528/242.000; 528/247.000; 528/248.000; 528/249.000;
 528/250.000; 528/265.000; 528/269.000
 IC [4]
 ICM: C08G016-04
 EXF 528/230; 528/232; 528/242; 528/247; 528/248; 528/249; 528/250; 528/265;
 528/269

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 4 OF 6 USPATFULL

Full Text **Citing References**

AN 87:43405 USPATFULL
 TI Process for the preparation of **aromatic oligomers**
 IN Jones, Michael E. B., Chester, England
 PA Imperial Chemical Industries PLC, London, England (non-U.S. corporation)
 PI US 4673725 19870615
 AI US 1926-863417 19860515 (6)
 RLI Division of Ser. No. US 1985-725347, filed on 19 Apr 1985, now patented, Pat. No. US 4599173 And Ser. No. US 1933-558525, filed on 6 Dec 1983, now patented, Pat. No. US 4530992
 PRAI GB 1982-34715 19821206
 GB 1983-14707 19830527
 DT Utility
 FS Granted
 LN.CNT 1485
 INCL INCLM: 528/232.000
 INCLS: 528/232.000; 528/240.000; 528/241.000; 528/265.000; 528/269.000
 NCL INCLM: 528/265.000
 NCLS: 528/232.000; 528/240.000; 528/241.000; 528/265.000; 528/269.000
 IC [4]
 ICM: G08G010-04
 EXF 528/232; 528/240-241; 528/265-266; 528/269
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 5 OF 6 USPATFULL

Full Text **Citing References**

AN 86:76667 USPATFULL
 TI **Aromatic oligomers and resins**
 IN Jones, Michael E. B., Chester, England
 PA Imperial Chemical Industries PLC, London, England (non-U.S. corporation)
 PI US 4599373 19860708
 AI US 1985-725347 19850419 (6)
 RLI Division of Ser. No. US 1933-558525, filed on 6 Dec 1983, now patented, Pat. No. US 4530992, issued on 23 Jul 1985
 PRAI GB 1982-34715 19821206
 GB 1983-14707 19830527
 DT Utility
 FS Granted
 LN.CNT 1495
 INCL INCLM: 523/116.000
 INCLS: 260/998.110; 523/117.000; 433/228.100
 NCL INCLM: 523/116.000
 NCLS: 260/998.110; 433/228.100; 523/117.000
 IC [4]
 ICM: A61K005-03
 ICS: A61K005-04
 EXF 523/116; 523/117; 260/998.11; 433/228
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 6 OF 6 USPATFULL

Full Text **Citing References**

AN 85:43295 USPATFULL
 TI **Aromatic oligomers and resins**
 IN Jones, Michael E. B., Chester, England
 PA Imperial Chemical Industries PLC, London, England (non-U.S. corporation)
 PI US 4530992 19850723
 AI US 1983-558525 19831206 (6)
 PRAI GB 1982-34715 19821206
 GB 1983-14707 19830527

DT Utility
FS Granted
LN.CNT 1512
INCL INCLM: 528/232.000
INCLS: 523/109.000; 523/120.000; 525/400.000; 528/242.000; 528/247.000;
528/265.000; 528/269.000
NCL NCLM: 528/232.000
NCLS: 523/109.000; 523/120.000; 525/400.000; 528/242.000; 528/247.000;
528/265.000; 528/269.000
IC [3]
ICM: C083010-02
ICS: C08G012-02
EXF 528/232; 528/242; 528/247; 528/265; 528/269; 525/400; 523/109; 523/120
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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